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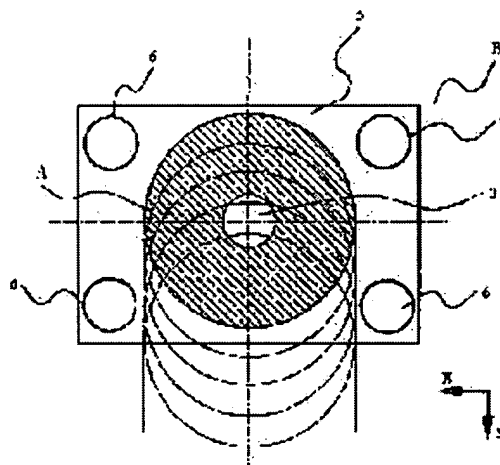
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(54) SUPERCONDUCTING MAGNETIC DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To divide the yoke part of a magnetic shield into small parts and to easily insert a superconducting magnet after assembling the magnetic shield at a site by enabling to incorporate the assembling structure of the super conductive magnet in the magnetic field after assembling.

SOLUTION: The superconducting magnet A which generates a uniform magnetic field in a measuring space 3 through the use of superconducting characteristic and is cooled to a temperature showing superconducting characteristic within a cooling container is provided with the magnetic shield B for suppressing the spreading of a leaked magnetic field distributed in its peripheral and external part. At this time the magnetic shield B is constituted of disassembleable iron board 5 and iron yokes 6 to insert the magnet A through between two iron yokes 6 after assembling. The iron yokes 6 are arranged at symmetrical positions at four corners. It is possible that an iron yoke on this side 6A is provided with a small diameter and arranged at a long interval but the iron yoke 6B on a deep side is provided with a large diameter and arranged at a little shorter interval.



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